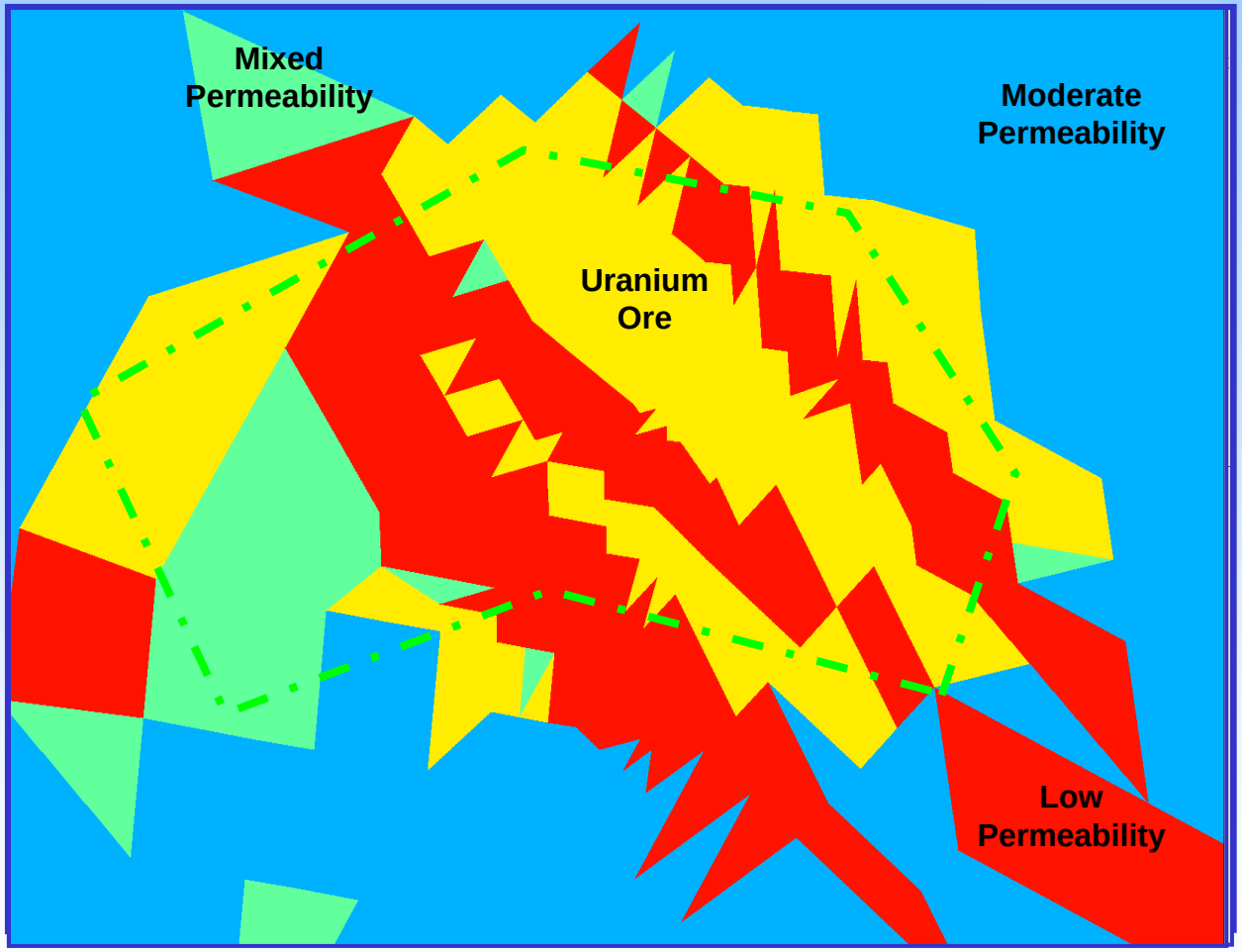
Lixiviant Delivery/Recovery System Optimization

Ore Body Scenario

Fluvial Depositional Environment



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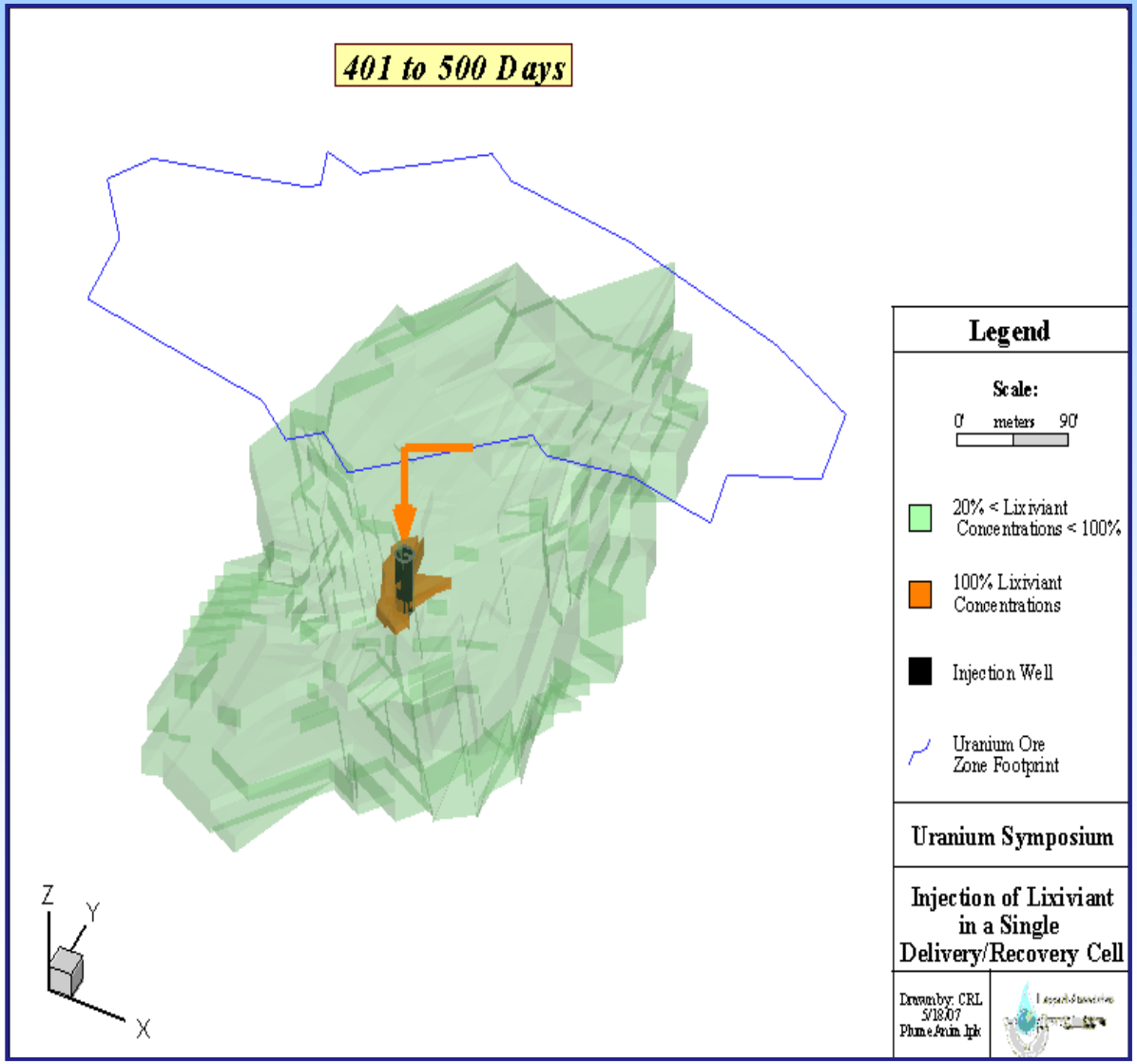
Lixiviant Delivery/Recovery System Optimization

Ore Body Scenario

Fluvial Depositional Environment

Examine the Injection

150 gpm Injection



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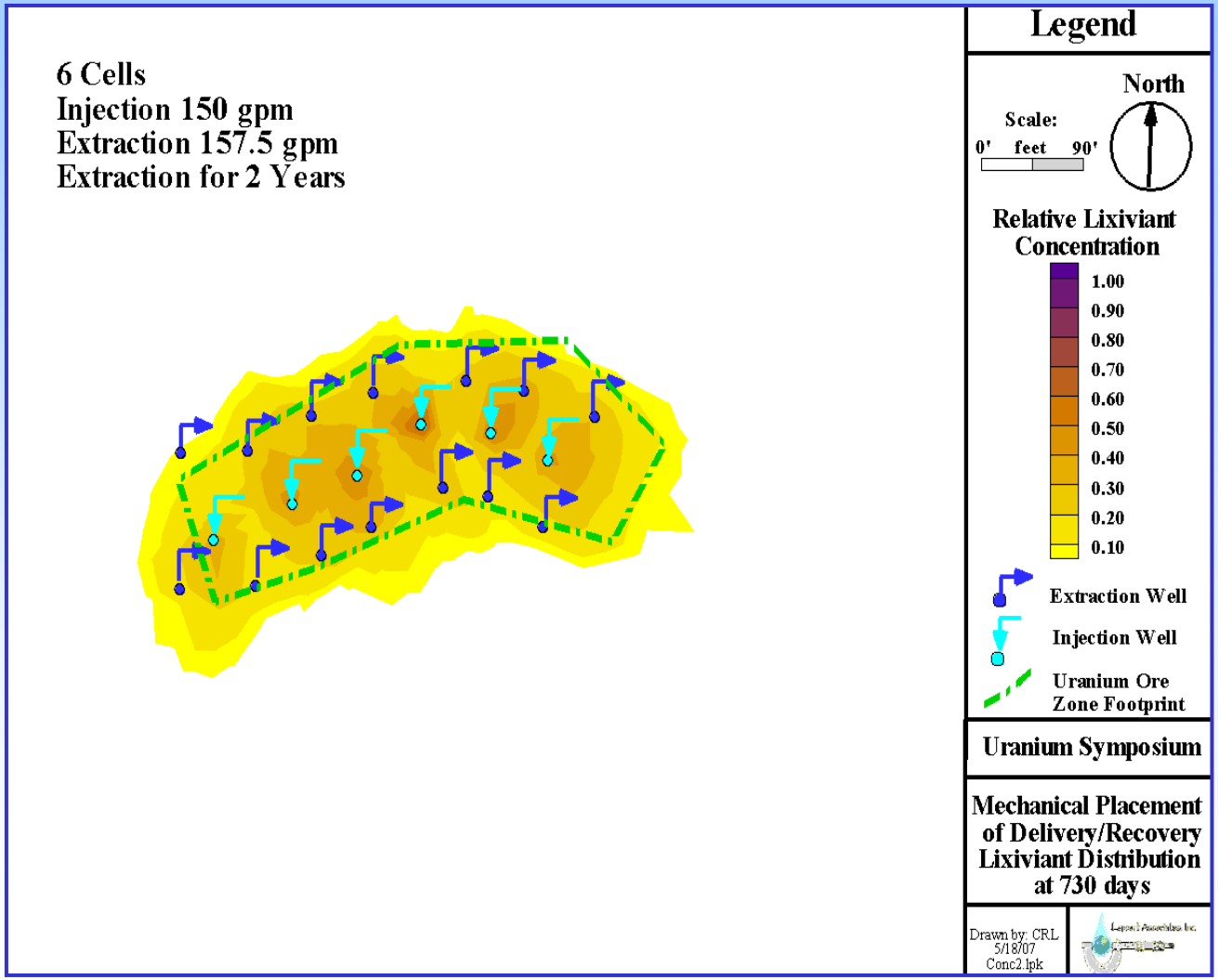
150 gpm Injection

Mechanical Design

Simple 5 Well-Spot Pattern



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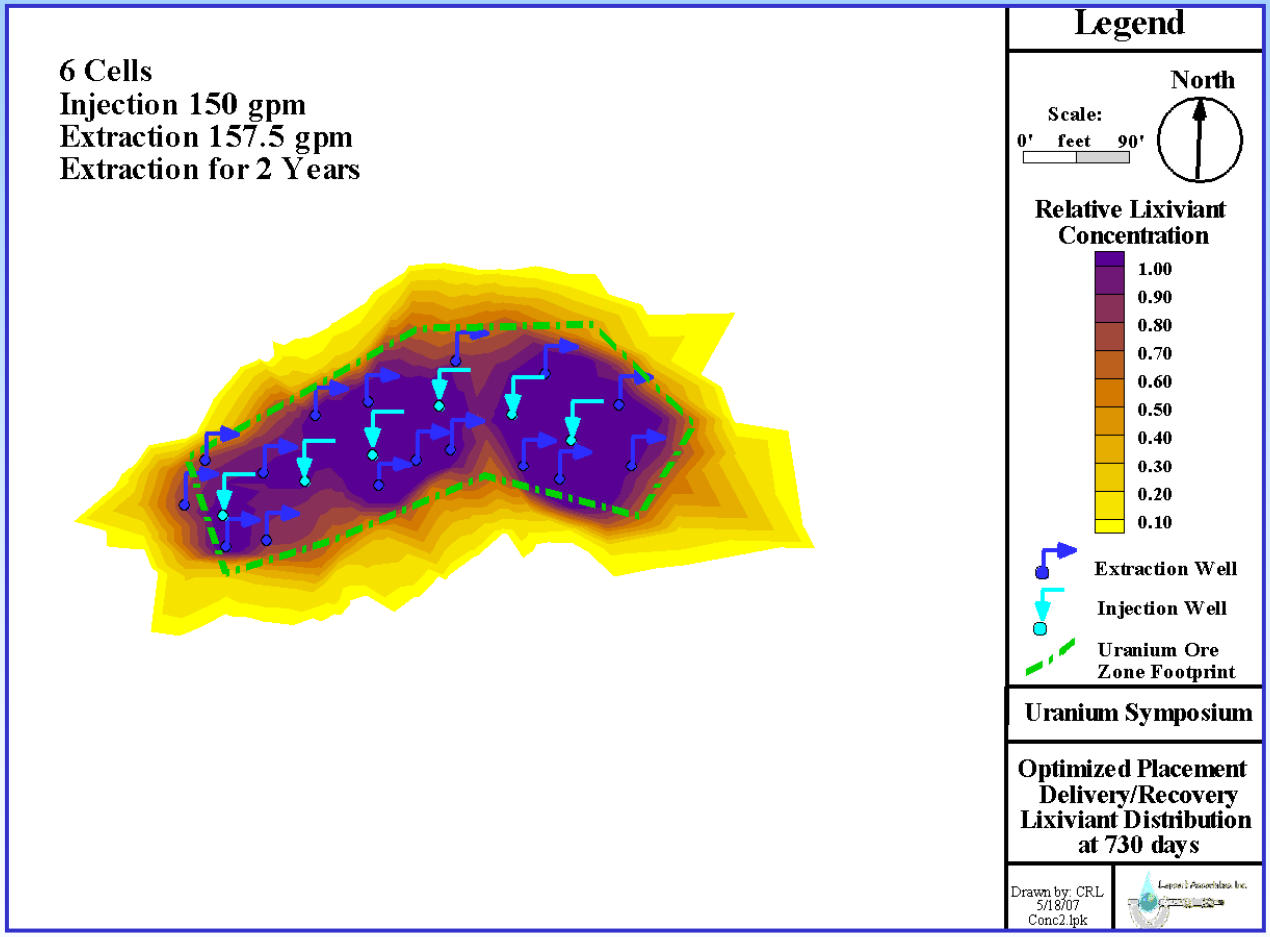
Optimized Design

Site-Specific Adjustment



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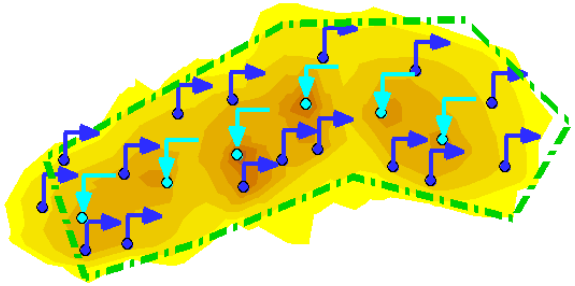
Examine the Injection
150 gpm Injection

Mechanical Design
Simple 5 Well-Spot Pattern

Optimized Design
Site-Specific Adjustment

Sweeping Design
Cyclic Sweep Design

6 Cells
Injection 150 gpm
Extraction 157.5 gpm
Extraction for 2 Years



Legend

North

Scale:
0' feet 90'

Relative Lixiviant Concentration

1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10

Extraction Well
Injection Well
Uranium Ore Zone Footprint

Uranium Symposium

Optimized Swept Delivery/Recovery Lixiviant Distribution at 730 days

Drawn by: CRL
5/18/07
Conc2.lpk

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Scenario Comparison
Optimization Approach

Comparison Criteria

(1) Volume of Ore Zone Porous Media having a Lixiviant Saturation >50%

- **Maximize Lixiviant Delivery**

(2) Average Residence Time of Lixiviant

- **Maximize Recovery … Minimize Residence Time**

(3) Volume of Lixiviant Remaining after ½ Year of Clean-Water Injection/Extraction

- **Minimize Restoration Activities**

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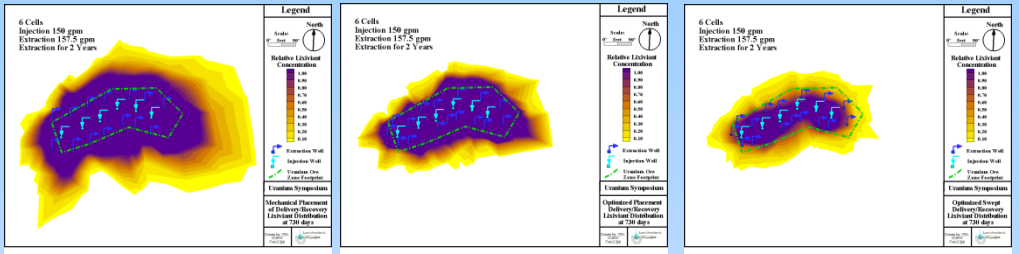

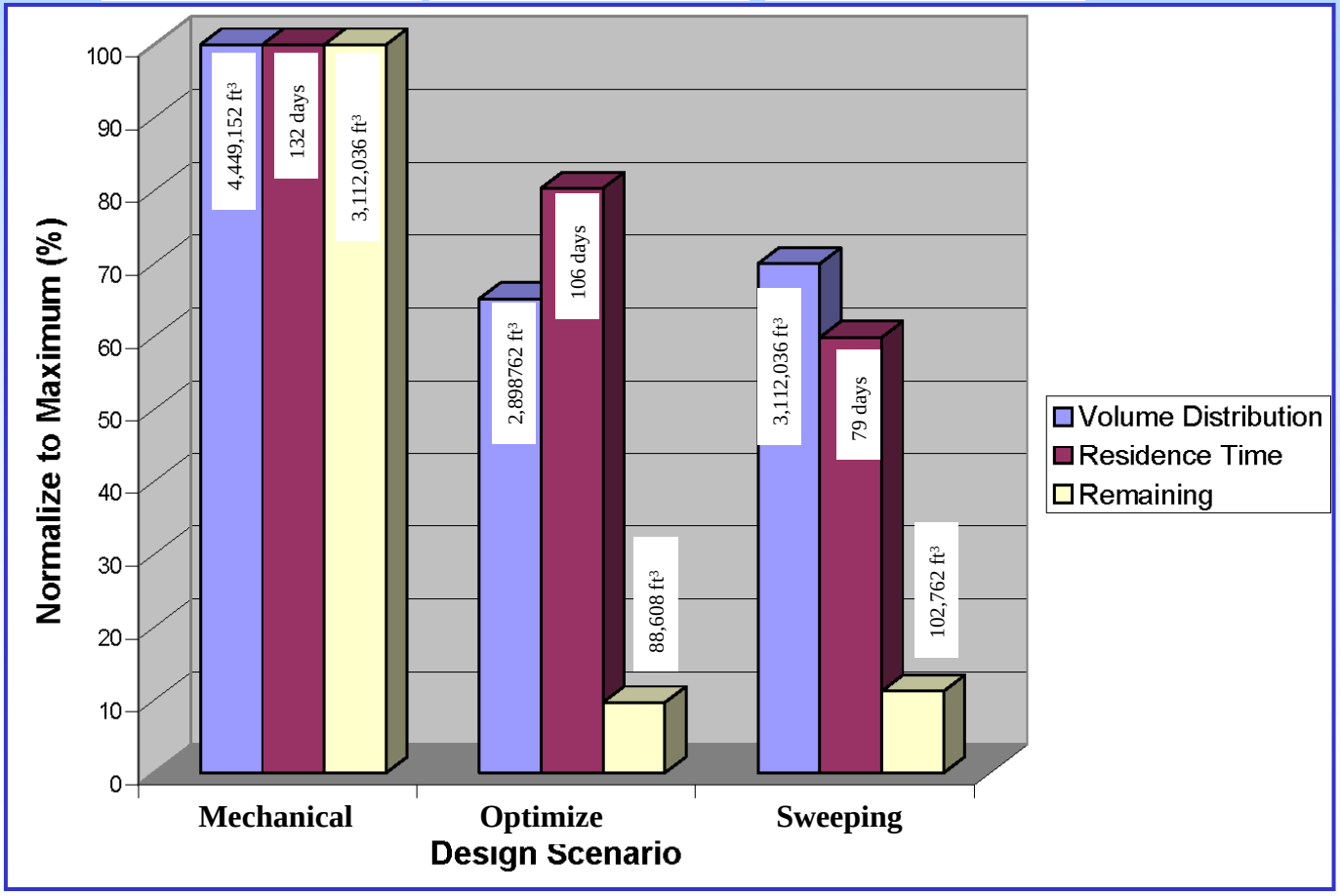

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